

## **HYDRAULIC TORQUE CONVERTER**

### **ABSTRACT**

1        A hydraulic torque converter, particularly for use  
2    in a motor vehicle between the prime mover and the  
3    transmission of the power train, employs a combination  
4    of a bypass clutch with one or more torsional vibration  
5    dampers which brings about savings in space and/or in  
6    the number of parts. In addition, the torque converter  
7    can stand long periods of use and is less prone to wear,  
8    adverse influences of abruptly developing stresses and/or  
9    other undesirable influences than conventional torque  
10   converters. Furthermore, the improved torque converter  
11   employs or can employ a bypass clutch and/or one or more  
12   torsional vibration dampers simpler and less expensive  
13   than but superior to those in conventional torque con-  
14   verters.